

Title (en)

SEALING BOLT AND METHOD OF INSTALLING A SEALING BOLT

Title (de)

SIEGELBOLZEN UND VERFAHREN ZUR INSTALLATION DES SIEGELGBOLZEN

Title (fr)

BOULON DE SCEAU ET PROCÉDÉ D'INSTALLATION D'UN TEL BOULON

Publication

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Application

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Priority

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Abstract (en)

A sealing bolt (2) for sealing a container lid (4) to a container body (6). The sealing bolt (2) comprises a seal head (8) adapted to be mounted to said container lid (4), a seal stud (10) adapted to be mounted to said container body (6) and a pin (14) connecting said seal head (8) to said seal stud (10). The sealing bolt (2) further comprises a conductor (30) arranged through a transverse passage (24) in said pin (14). The sealing bolt (2) further comprises a resilient member (36) arranged for biasing the pin (14) into a first position, in which the conductor (30) is compressed. The pin (14) is movable against the biasing by the resilient member (36) into a second position by application to the seal head (8) of a predetermined torque. The sealing bolt (2) further comprises a monitoring and detection unit (50), the monitoring and detection unit (50) including a transmitter (70) and a detector (76) coupled to respective ends (68, 74) of the conductor (30), and a processor (54), coupled to the transmitter (70) and the detector (76), the processor (54) being operable to determine that the pin (14) has been moved into the second position for the first time when it determines that a signal detected by the detector (76) has undergone a predetermined change. A method of installing a sealing bolt (2) is also disclosed.

IPC 8 full level

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Citation (applicant)

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- EP 0658250 A1 19950621 - EURATOM [LU]
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Citation (search report)

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Designated contracting state (EPC)

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